

2015 Space Weather Workshop Agenda - DRAFT

Millennium Hotel Ballroom

****Speakers and Presentation Titles TBD – Check back often for the latest updates to the agenda. ****

Monday, April 13th

9:00 - 4:30 GOES-VW (NEXT) Requirements Session

5:00 - 7:00 Welcome Networking Session (NCAR Mesa Lab)

Tuesday, April 14

8:30 Conference Welcome
Brent Gordon, NOAA/SWPC

8:35 State of the Space Weather Prediction Center
Tom Berger, NOAA/SWPC

8:50 SWPC/SEC Solar History
Ernie Hilder, Former Director, SEC

9:10 Solar Maximum...We Hardly Knew Ye
Doug Biesecker, NOAA/SWPC

9:25 - 9:45 Break

9:45 - 11:10 Introduction to SWORM (Space Weather Operations, Research, and Mitigation Task Force)
Chair: William Murtagh, OSTP

9:45 Task Force Overview
Tammy Dickinson, OSTP

10:00 - 11:15 SWORM Goal Team Panel
Chair: William Murtagh, OSTP

11:15 - 12:15 DSCOVR Update
Chair: Alysha Reinard, CIRES

11:15 DSCOVR – Halfway to L1
Doug Biesecker, NOAA/SWPC

11:35 Instrumentation - Capabilities and Calibration Test Plans
Adam Szabo, NASA/GSFC

11:55 Space Weather Follow On
Pat Mulligan, NOAA/NESDIS

12:15 - 3:00 Lunch

1:00 - 3:00 Poster Session - Solar and Interplanetary

3:00 - 4:40 Space and Ground Based Observations and Advances

Chair: Howard Singer, NOAA/SWPC

3:00 GOES-VW

Rodney Viereck, NOAA/SWPC

3:20 GONG (Global Oscillation Network Group)

Frank Hill, NSO

3:40 ICON (Ionospheric Connection Explorer)

Elsayed Talaat, NASA

4:00 GOLD (Global-Scale Observations of the Limb and Disk)

Richard Eastes, University of Central Florida

4:20 FORMOSAT-7/COSMIC 2 (Constellation Observing System for Meteorology, Ionosphere, and Climate)

I-Te Lee, Central Weather Bureau

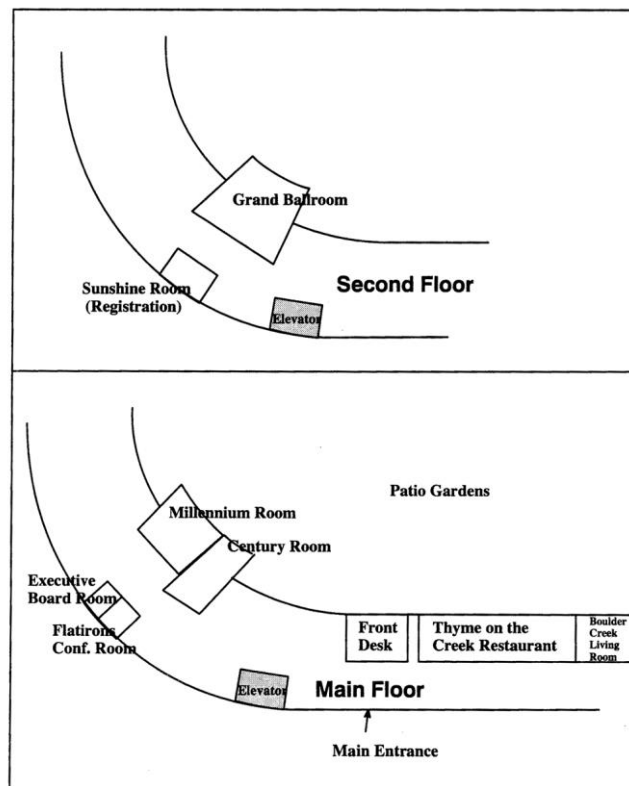
4:40 Space Weather Ballooning

Tony Phillips, SpaceWeather.com

5:00 End of Session

5:30 - 7:30 9th Annual SWPC - Commercial Space Weather Interest Group (CSWIG) / American Commercial Space Weather Association (ACSWA) Summit Meeting - by invitation

**Meeting Rooms
at the Millennium Hotel**



Wednesday, April 15

8:30 - 8:40 Space Weather Morning Forecast Brief
SWPC Space Weather Forecasting Office

8:40 - 10:10 Commercial Space Weather Interest Group (CSWIG)
American Commercial Space Weather Association (ACSWA)
Roundtable Session: Growing the Space Weather Enterprise
Keynote Speaker: To Be Announced
Featured Speakers: To Be Announced
Panel

Moderator and Organizer:
Dr. Devrie Intriligator, Director, Space Plasma Laboratory, Carmel Research Center, Inc.

10:10 - 10:30 Break

10:30 - 12:00 Agency Activities
Chair: Tom Berger, NOAA/SWPC

10:30 NASA Heliophysics Division
Jeffrey Newmark, NASA

10:45 Space Weather Research at the National Science Foundation
Vladimir Papitashvili, NSF

11:00 United States Air Force Weather
Ralph Stoffler, AFW

11:15 National Weather Service
Bill Lapenta, NOAA/NWS

11:30 NESDIS
Greg Mandt, NOAA/NESDIS

11:45 Question and Answer Session

12:00 - 3:00 Lunch

1:00 - 3:00 Poster Session - Ionosphere

3:00 - 5:00 Space Weather Impacts: Emerging Issues in Aviation
Chair: Robert Rutledge, NOAA/SWPC

3:00 NIOSH Aviation Radiation Findings
Barbara Grajewski, USPHS

3:20 ARINC
Hugh Pat Guido and Anthony Abate, ARINC

- 3:40 Avidos – Aviation Dosimetry**
Peter Beck, Seibersdorf Laboratories
- 4:00 ICAO**
Raul Romero, ICAO
- 4:20 - 4:40 Science and Technology Policy Institute Efforts**
Chair: Bill Murtagh, NOAA/SWPC
- 4:20 Extreme Storm Probability and Establishing Benchmarks**
Seth Jonas, ISTP
- 4:40 - 5:00 Introduction to ‘Space Weather Impacts: Power Grid’**
Chair: Chris Balch, NOAA/SWPC
- 4:40 Insurance Claims for Industrial Electrical Equipment**
Karel Schrijver, Lockheed Martin
- 5:00 End of Session**
- 6:00 - 8:30 Banquet Dinner at UCAR Center Green Auditorium**

Special Guest Speaker:

Dr. Sandy MacDonald
Director, NOAA’s Earth System Research Laboratory

“Science on a Sphere”

3080 Center Green Drive
Boulder, CO 80301



Available Shuttle Bus to the Banquet:

There will be a CU Shuttle Bus departing the Millennium Hotel for anyone who wishes to ride to the UCAR Center Green Auditorium. The bus will depart the hotel at 5:45, 6:00, and 6:15. It will also make three return trips back to the hotel after the event.

Parking:

Free parking is available at the UCAR Center Green Campus for those who wish to drive personal vehicles.

UCAR Center Green Campus
Building 1
3080 Center Green Drive
Boulder, CO 80301

Thursday, April 16

- 8:30 - 8:40** **Space Weather Morning Forecast Brief**
SWPC Space Weather Forecasting Office
- 8:40 - 10:20** **Space Weather Impacts: Power Grid (continued)**
Chair: Chris Balch, NOAA/SWPC
- 8:40** **Solar Shield**
Antti Pulkkinen, NASA/CCMC
- 9:00** **North American Electric Reliability Corporation**
Frank Koza, PJM
- 9:20** **System Impact Modeling**
Tom Overbye, University of Illinois
- 9:40** **SUNBURST Network**
Rich Lordan, EPRI
- 10:00** **Title TBD**
Trevor Gaunt, University of South Africa
- 10:20 - 10:40** **Break**
- 10:40 - 12:00** **R2O and Modeling**
Chair: Michele Cash, CIRES
- 10:40** **SWPC Testbed Report**
Rodney Viereck, NOAA/SWPC
- 11:00** **WSA/ADAPT (Air Force Data Assimilative Photospheric Flux Transport)**
Nick Arge, AFRL
- 11:20** **Developmental Testbed Center**
Louisa Nance, DTC NCAR
- 11:40** **Magnetospheric Modeling Advances**
Grant Stephens, JHAPL
- 12:00 - 3:00** **Lunch**
- 1:00 - 3:00** **Poster Session - Magnetosphere**
- 3:00 - 3:20** **Space Weather Journal Overview and Prospectus**
Dolores Knipp, Space Weather Journal
- 3:20 - 5:00** **International Coordination of Space Weather Activities**
Chair: Howard Singer, NOAA/SWPC
- 3:20** **Worldwide Scintillation Prediction**
Yahya Memarzedeh, Fugro

- 3:40 International Committee on Global Navigation Satellite Systems: Promoting the Use of GNSS Technologies**
Shafa Gadimova, Office for Outers Space Affairs (UN)
- 4:00 State of GNSS in Africa: Applications, Observational Infrastructures, Research Implications and Prospects**
Babatunde Rabi, Nigerian National Space Research and Development Agency
- 4:20 ESA Update**
Juha-Pekka Luntama, ESA
- 4:40 UK Met Office Update**
Mark Gibbs, UK Met Office
- 5:00 End of Session**

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Friday, April 17

8:30 - 8:40 Space Weather Morning Forecast Brief
SWPC Space Weather Forecasting Office

8:40 - 10:20 Space Weather Modeling
Chair: Howard Singer, NOAA/SWPC

8:40 CCMC (Community Coordinated Modeling Center)
Masha Kuznetsova, NASA/CCMC

9:00 SWMF/Geospace Update
George Millward, CIRES/SWPC

9:20 WAM/IDEA (Whole Atmosphere Model/Integrated Dynamics through Earth's Atmosphere)
Tim Fuller-Rowell, NOAA/SWPC

9:40 TBD
TBD

10:00 - 10:20 Break

10:20 - 11:40 Space Weather: The Future
Chair: Rodney Viereck, NOAA/SWPC

10:20 Carrington L5 Mission
Markos Trichas, Airbus Defense and Space

10:40 Citizen Science: Aurorasaurus
Elizabeth McDonald, NASA

11:00 USGS Induction Hazard Science
Jeff Love, USGS

11:20 WMO Four Year Plan
Terry Onsager, NOAA/SWPC

11:40 Closing Remarks
Tom Berger, NOAA/SWPC

12:00 End of Conference